

Computer Inventories

RELEASED

MAR 28 2001

FROM CONFIDENTIAL

Well Name: Dearden 1-7
Company: Sagebrush Operating LLC
Location: 7-10s-31w
Scott country Kansas
Date: 9-9-99

15-171-20538

RECEIVED
MAR 28 2001

TRILOBITE TESTING L.L.C.

OPERATOR : Sagebrush Oper.LLC DATE 9-3-99
WELL NAME: Dearden 7-16 KB 2982.00 ft TICKET NO: 11937 DST #1
LOCATION : 7-19s-31w Scott co KS GR 2974.00 ft FORMATION: KC - J
INTERVAL : 4216.00 To 4232.00 ft TD 4232.00 ft TEST TYPE: CONV.

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11058	11058	2346			PF Fr. 1800 to 1830 hr
SI 60 Range(Psi)	4500.0	4500.0	4995.0	0.0	0.0	IS Fr. 1830 to 1930 hr
SF 60 Clock(hrs)	12	12	alpin			SF Fr. 1930 to 2030 hr
FS 90 Depth(ft)	4229.0	4229.0	4217.0	0.0	0.0	FS Fr. 2030 to 2200 hr

	Field	1	2	3	4	
A. Init Hydro	1997.0	2007.0	2022.0	0.0	0.0	T STARTED 1530 hr
B. First Flow	44.0	60.0	19.0	0.0	0.0	T ON BOTM 1757 hr
B1. Final Flow	77.0	80.0	58.0	0.0	0.0	T OPEN 1800 hr
C. In Shut-in	1120.0	1118.0	1108.0	0.0	0.0	T PULLED 2200 hr
D. Init Flow	122.0	115.0	61.0	0.0	0.0	T OUT 1225 hr
E. Final Flow	166.0	158.0	136.0	0.0	0.0	
F. Fl Shut-in	1120.0	1107.0	1106.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1986.0	1963.0	1976.0	0.0	0.0	Tool Wt. 4000.00 lbs
Inside/Outside	i	i	o			Wt Set On Packer 26000.00 lbs
						Wt Pulled Loose 60000.00 lbs
						Initial Str Wt 45000.00 lbs
						Unseated Str Wt 46000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.50 in
						D.C. Length 0.00 ft
						D.P. Length 4199.00 ft

RECOVERY

Tot Fluid 250.00 ft of	0.00 ft in DC and	250.00 ft in DP	
70.00 ft of Mud cut water	60% water 40% mud	oil scum	
180.00 ft of Slight mud cut water			
0.00 ft of	90% water 10% mud {H2S smell throughout}		
0.00 ft of			
0.00 ft of			
0.00 ft of			
0.00 ft of			
0.00 ft of			
SALINITY 22500.00 P.P.M.	A.P.I. Gravity	0.00	

BLOW DESCRIPTION

Initial Flow:
1/4" at open slow buildt o 7"
Initial Shut-in:
No return
Final Flow:
Surface blow in 7 1/2 mins. built to
7"
Final Shut-in:
No return

MUD DATA-----
Mud Type Chemical
Weight 9.10 lb/cf
Vis. 43.00 S/L
W.L. 9.00 in3
F.C. 0.00 in
Mud Drop N

Amt. of fill 0.00 ft
Btm. H. Temp. 144.00 F
Hole Condition good
% Porosity 0.00
Packer Size 6.75 in
No. of Packers 2
Cushion Amt. 0.00
Cushion Type
Reversed Out N
Tool Chased N
Tester Shane McBride
Co. Rep. Tim
Contr. Duke
Rig # 1
Unit #
Pump T.

RELEASED

SEP 28 2001

FROM CONFIDENTIAL

SAMPLES:
SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONV.

ELL NAME: Dearden 7-16

OCATION : 7-19-31

ICKET No. 11937 D.S.T. No. 1 DATE 9-3-99

OTAL TOOL TO BOTTOM OF TOP PACKERS 22

INTERVAL TOOL

OTTOM PACKERS AND ANCHOR 16

OTAL TOOL 38

RILL COLLAR ANCHOR IN INTERVAL

.C. ANCHOR STND.Stands Single Total

.P. ANCHOR STND.Stands Single Total

OTAL ASSEMBLY 38

.C. ABOVE TOOLS.Stands Single Total

.P. ABOVE TOOLS.Stands67 Single 1 Total 4199

OTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4237

OTAL DEPTH 4232

OTAL DRILL PIPE ABOVE K.B. 5

EMARKS:

P.O. SUB

C.O. SUB 1'

4193

S.I. TOOL 5'

4199

HMV 5'

4204

JARS

SAFETY JOINT 2'

4206

PACKER top

4211

PACKER bottom

4216

DEPTH 4216

STUBB 1'

4217

ANCHOR alpine recorder

4217

10' perf

4227

ak-1 recorder

4229

T.C.

DEPTH

BULLNOSE 5' bullplug

4232

T.D.

4232

TEST HISTORY

11937 DST #1 Dearden 7-16 Sagebrush Oper. LLC

Flag Points

t(Min.) P(PSig)

A: 0.00 2022.69
B: 0.00 19.97
C: 29.00 58.46
D: 61.00 1108.33
E: 0.00 61.25
F: 58.00 136.37
G: 92.00 1106.33
Q: 0.00 1976.71

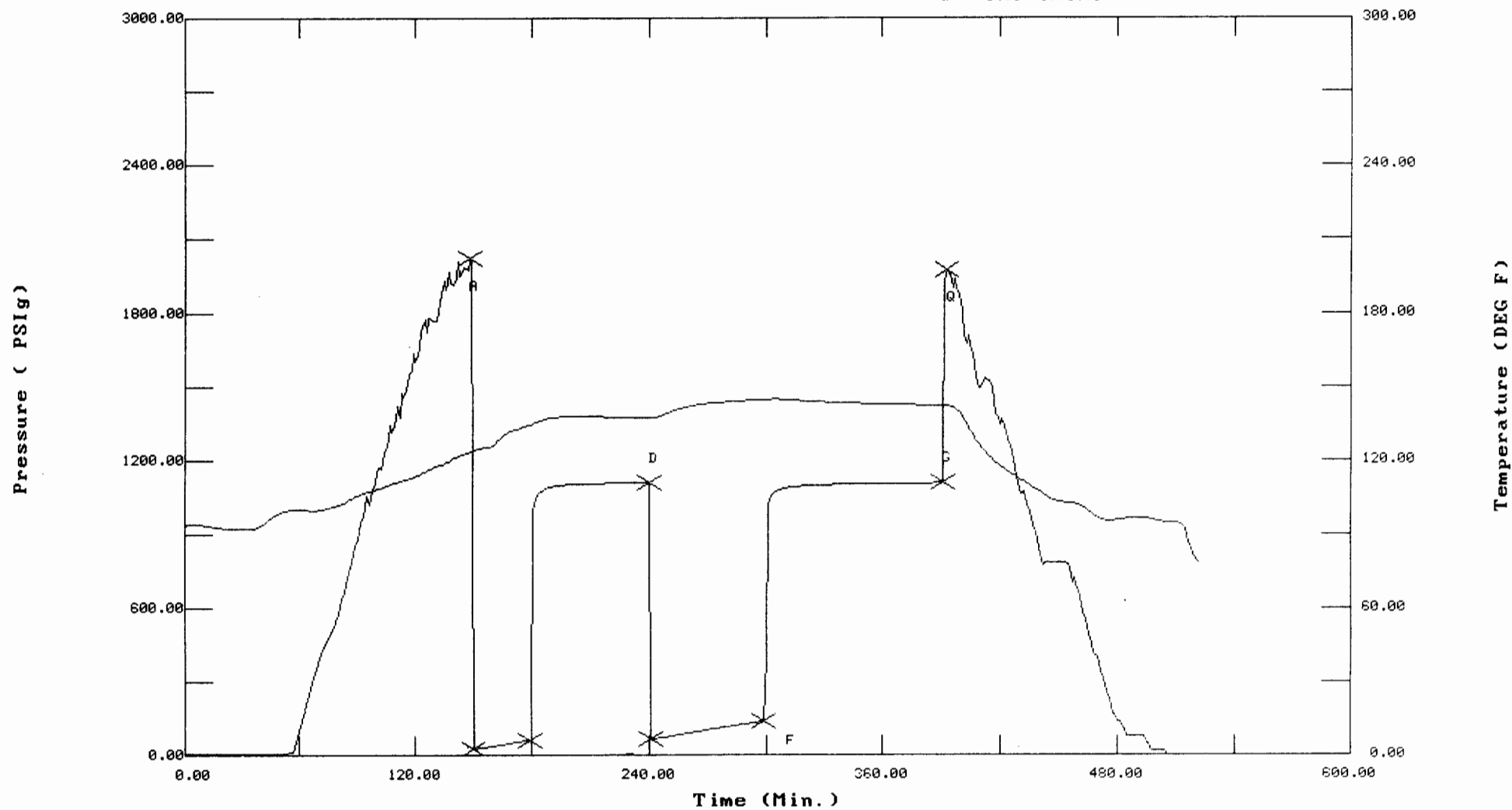
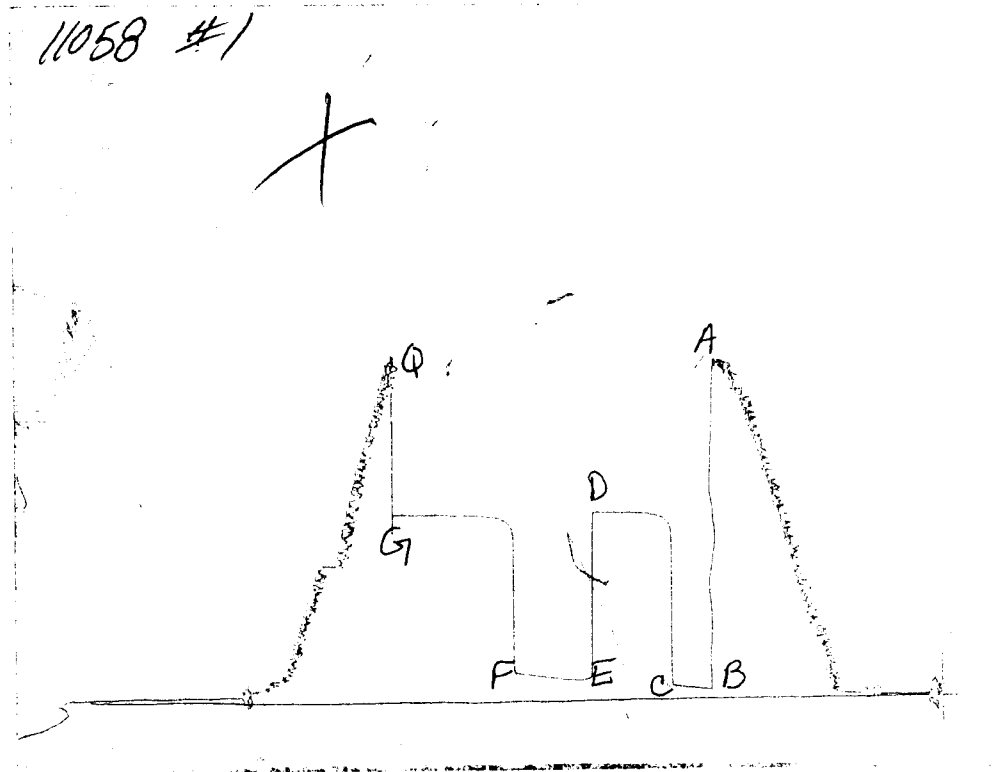


CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

N^o 11937

Test Ticket

Well Name & No.	Dearden 7-16	Test No.	1	Date	9-3-99
Company	Sagebrush Oper. LLC	Zone Tested	J		
Address	1888 Sherman Ste. 500 Denver, CO 80203	Elevation	2982	KB	29H GL
Co. Rep / Geo.	Tim	Cont.	Duke #1	Est. Ft. of Pay	Por. %
Location: Sec.	7	Twp.	19	Rge.	31
		Co.	Scott	State	Ks
No. of Copies	Norm	Distribution Sheet (Y, N)		Turnkey (Y, N)	Evaluation (Y, N)

Interval Tested 4216' 4232' Initial Str Wt./Lbs. 45000 Unseated Str Wt./Lbs. 46000
 Anchor Length 16' Wt. Set Lbs. 26,000 Wt. Pulled Loose/Lbs. 60,000
 Top Packer Depth 4211' Tool Weight 4,000
 Bottom Packer Depth 4216' Hole Size — 7 7/8" ☒ Rubber Size — 6 3/4" ☒
 Total Depth 4232' Wt. Pipe Run Drill Collar Run
 Mud Wt. LCM Vis. WL Drill Pipe Size 4 1/2 XH Ft. Run 4199'
 Blow Description 1/4" @ open slow build to 7" in.

No return.
Surface blow in 7 1/2 min - built to 7" in.
No return

Recovery — Total Feet	<u>250</u>	GIP	<u> </u>	Ft. in DC	<u> </u>	Ft. in DP	<u>250</u>
Rec. <u>70'</u>	Feet Of	<u>Mud Cont Water w/ 15% oil</u>	%gas	<u>Swm</u>	%oil	<u>60</u>	%water <u>90</u> %mud
Rec. <u>180'</u>	Feet Of	<u>Sl. Fly Mud Cont Water 10% oil</u>	%gas	<u>Swm</u>	%oil	<u>90</u>	%water <u>10</u> %mud
Rec. <u> </u>	Feet Of	<u>(has smell through hole)</u>	%gas	<u> </u>	%oil	<u> </u>	%water <u> </u> %mud
Rec. <u> </u>	Feet Of	<u> </u>	%gas	<u> </u>	%oil	<u> </u>	%water <u> </u> %mud
Rec. <u> </u>	Feet Of	<u> </u>	%gas	<u> </u>	%oil	<u> </u>	%water <u> </u> %mud
BHT <u>144°</u>	°F Gravity	<u> </u>	°API D@	<u> </u>	°F Corrected Gravity	<u> </u>	°API
RW <u>22</u>	@ <u>74</u>	°F Chlorides	<u>22,500</u>	ppm Recovery	Chlorides	<u>1000</u>	ppm System

	AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>1997</u>	<u>2022</u>	PSI Recorder No.	<u>2346</u>
(B) First Initial Flow Pressure	<u>44</u>	<u>19</u>	PSI (depth)	<u>4217'</u>
(C) First Final Flow Pressure	<u>177</u>	<u>58</u>	PSI Recorder No.	<u>11058</u>
(D) Initial Shut-In Pressure	<u>1120</u>	<u>1108</u>	PSI (depth)	<u>4229</u>
(E) Second Initial Flow Pressure	<u>122</u>	<u>61</u>	PSI Recorder No.	<u> </u>
(F) Second Final Flow Pressure	<u>166</u>	<u>136</u>	PSI (depth)	<u> </u>
(G) Final Shut-in Pressure	<u>1120</u>	<u>1106</u>	PSI Initial Opening	<u>30</u>
(Q) Final Hydrostatic Mud	<u>1980</u>	<u>1976</u>	PSI Initial Shut-in	<u>60</u>
			Final Flow	<u>60</u>
			Final Shut-in	<u>90</u>

T-On Location 14:35 p.m.
 T-Started 15:30 p.m.
 T-Open 18:00 p.m.
 T-Pulled 22:00 p.m.
 T-Out 12:25 a.m.
 T-Off Location 12:48 a.m.

Test X
 Jars
 Safety Joint X
 Straddle
 Circ. Sub X N/C
 Sampler
 Extra Packer
 Elec. Rec. X
 Mileage
 Other
 TOTAL PRICE \$

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST, TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Tim Price
 Our Representative Steve McBride

TRILOBITE TESTING L.L.C.

OPERATOR : Sagebrush Oper. LLC
WELL NAME: Dearden 7-16
LOCATION : 7-16s-31w Scott co KS
INTERVAL : 4371.00 To 4391.00 ft

DATE 9-4-99
KB 2982.00 ft TICKET NO: 11938 DST #2
GR 2974.00 ft FORMATION: marmaton
TD 4391.00 ft TEST TYPE: CONV.

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11058	11058	2346			PF Fr. 1650 to 1720 hr
SI 30 Range(Psi)	4500.0	4500.0	4995.0	0.0	0.0	IS Fr. 1720 to 1750 hr
SF 30 Clock(hrs)	12	12	alpin			SF Fr. 1750 to 1820 hr
FS 30 Depth(ft)	4388.0	4388.0	4372.0	0.0	0.0	FS Fr. 1820 to 1850 hr

	Field	1	2	3	4	
A. Init Hydro	2065.0	2076.0	2086.0	0.0	0.0	T STARTED 1530 hr
B. First Flow	44.0	46.0	18.0	0.0	0.0	T ON BOTM 1647 hr
B1. Final Flow	44.0	46.0	22.0	0.0	0.0	T OPEN 1650 hr
C. In Shut-in	1008.0	1006.0	1025.0	0.0	0.0	T PULLED 1850 hr
D. Init Flow	55.0	57.0	22.0	0.0	0.0	T OUT 2115 hr
E. Final Flow	55.0	57.0	24.0	0.0	0.0	
F. Fl Shut-in	918.0	916.0	934.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2053.0	2076.0	2022.0	0.0	0.0	Tool Wt. 4000.00 lbs
Inside/Outside	i	i	o			Wt Set On Packer 26000.00 lbs
						Wt Pulled Loose 62000.00 lbs
						Initial Str Wt 45000.00 lbs
						Unseated Str Wt 45000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.50 in
						D.C. Length 0.00 ft
						D.P. Length 4354.00 ft

RECOVERY

Tot Fluid 12.00 ft of 0.00 ft in DC and 12.00 ft in DP
12.00 ft of Drilling mud with oil scum
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
1/2" blow died in 27 mins.
Initial Shut-in:
No return
Final Flow:
No blow
Final Shut-in:
No return

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	43.00 S/L
W.L.	8.40 in3
F.C.	0.00 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	133.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Shane McBride
Co. Rep.	Tim Pearce
Contr.	Duke
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

SAMPLES:
SENT TO:

*** TOOL DIAGRAM *** CONV.

WELL NAME: Dearden 7-16

DATE : 7-16-31

WELL No. 11938 D.S.T. No. 2 DATE 9-4-99

WELL TOOL TO BOTTOM OF TOP PACKERS 22

WELL INTERVAL TOOL

WELL BOTTOM PACKERS AND ANCHOR 20

WELL TOTAL TOOL 42

WELL FULL COLLAR ANCHOR IN INTERVAL

C. ANCHOR STAND.Stands Single Total

P. ANCHOR STAND.Stands Single Total

WELL TOTAL ASSEMBLY 42

C. ABOVE TOOLS.Stands Single Total

P. ABOVE TOOLS.Stands70 Single Total 4354

WELL TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4396

WELL TOTAL DEPTH 4391

WELL TOTAL DRILL PIPE ABOVE K.B. 5

MARKS:

P.O. SUB
C.O. SUB 1' 4348

S.I. TOOL 5' 4354

HMV 5' 4359

JARS n/a

SAFETY JOINT 2' 4361

PACKER top 4366

PACKER bottom 4371

DEPTH 4371

STUBB 1' 4372

ANCHOR alpine recorder 4372

14' perf 4386

ak-1 recorder 4388

T.C.
DEPTH

BULLNOSE 5' bullplug 4391

T.D. 4391

TEST HISTORY

11938 DST #2 Dearden 7-16 Sagebrush Oper. LLC.

Flag Points
t(Min.) P(PSig)

A: 0.00 2086.26
B: 0.00 18.27
C: 30.00 22.23
D: 30.00 1025.18
E: 0.00 22.77
F: 28.00 24.98
G: 31.00 934.39
Q: 0.00 2022.86

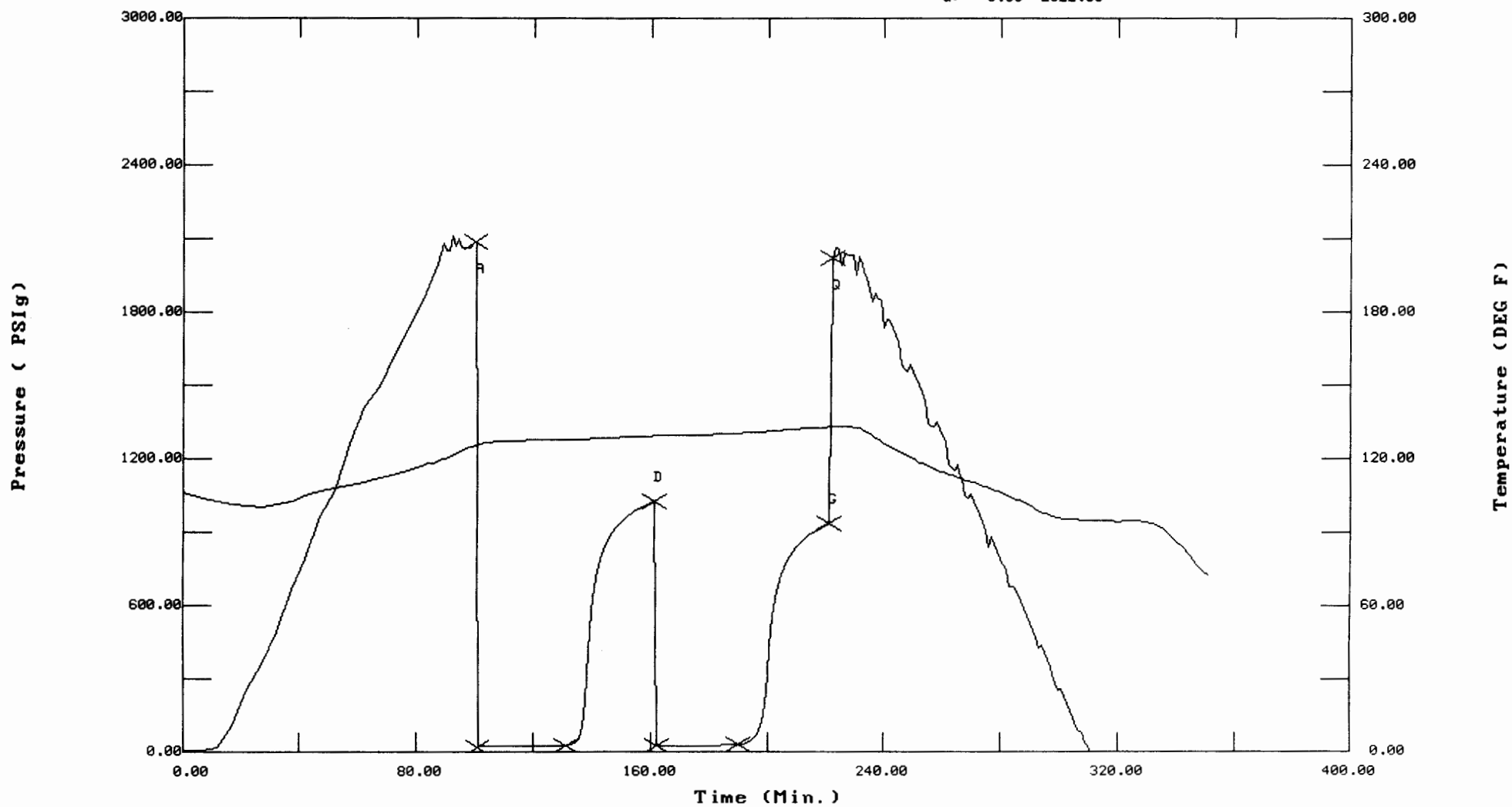
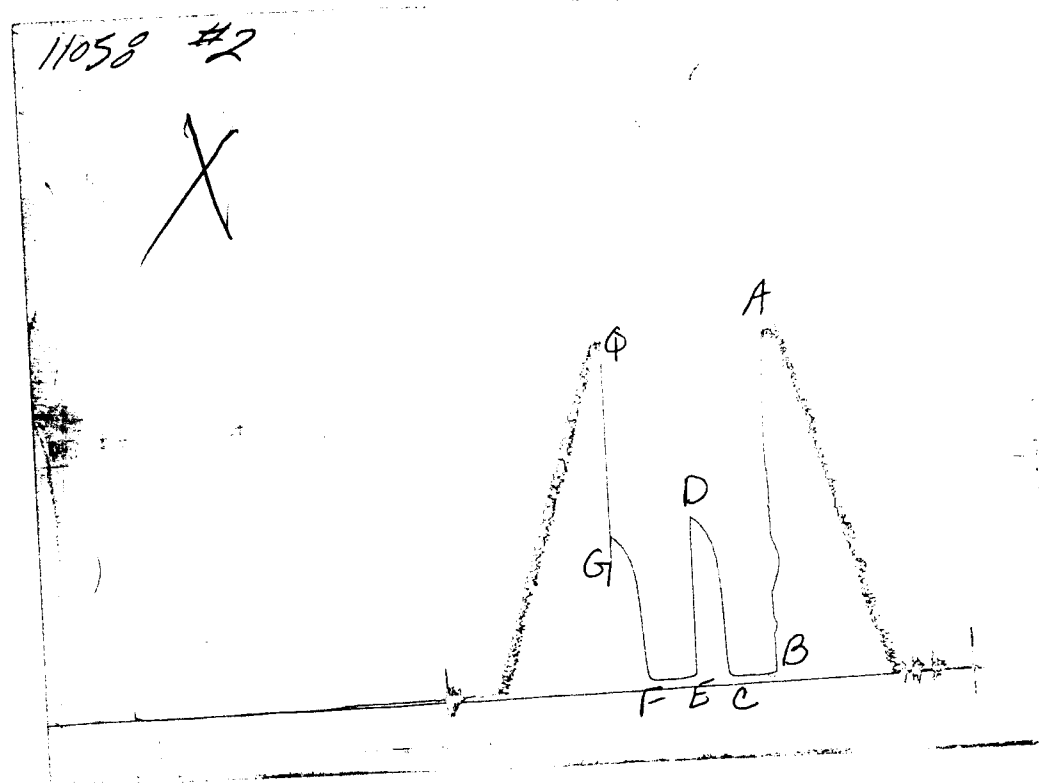


CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

N^o 11938

Test Ticket

Well Name & No. <u>Deurden 7-16</u>	Test No. <u>2</u>	Date <u>9-4-99</u>
Company <u>Sagebrush Oper. LLC</u>	Zone Tested <u>marathon</u>	
Address <u>1888 Sherman Ste. 500 Denver Col 80203</u>	Elevation <u>2982</u>	KB <u>2974</u> GL
Co. Rep / Geo. <u>Tim</u>	Cont. <u>Duke #1</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>7</u>	Twp. <u>19</u>	Rge. <u>31</u> Co. <u>Scott</u> State <u>Ks</u>
No. of Copies <u>Norm</u>	Distribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>

Interval Tested 4371' 4391' Initial Str Wt./Lbs. 45000 Unseated Str Wt./Lbs. 45000
 Anchor Length 20' Wt. Set Lbs. 26,000 Wt. Pulled Loose/Lbs. 62,000
 Top Packer Depth 4366' Tool Weight 4000
 Bottom Packer Depth 4371' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
 Total Depth 4391' Wt. Pipe Run Drill Collar Run
 Mud Wt. 9.0 LCM 2 Vis. 43 WL 8.4 Drill Pipe Size 4 1/2 x 11 Ft. Run 4354'
 Blow Description 1/2" in blow died in 27 min
No return
No Blow
No return.

Recovery — Total Feet 12 GIP Ft. in DC Ft. in DP 12
 Rec. 12' Feet Of Drily Mud 70% oil 50% water %gas 50% %oil %water 100 %mud
 Rec. Feet Of %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 BHT 133° °F Gravity °API D@ °F Corrected Gravity °API
 RW @ °F Chlorides ppm Recovery Chlorides 1100 ppm System

(A) Initial Hydrostatic Mud	AK-1 <u>2065</u>	Alpine <u>2086</u>	PSI Recorder No. <u>2346</u>	T-On Location <u>14:30 p.m.</u>
(B) First Initial Flow Pressure	<u>44</u>	<u>18</u>	PSI (depth) <u>4372'</u>	T-Started <u>5:30 p.m.</u>
(C) First Final Flow Pressure	<u>44</u>	<u>22</u>	PSI Recorder No. <u>11058</u>	T-Open <u>16:50 p.m.</u>
(D) Initial Shut-In Pressure	<u>1008</u>	<u>1025</u>	PSI (depth) <u>4388'</u>	T-Pulled <u>18:50 p.m.</u>
(E) Second Initial Flow Pressure	<u>55</u>	<u>22</u>	PSI Recorder No. <u> </u>	T-Out <u>21:15 p.m.</u>
(F) Second Final Flow Pressure	<u>55</u>	<u>24</u>	PSI (depth) <u> </u>	T-Off Location <u>21:30 p.m.</u>
(G) Final Shut-in Pressure	<u>918</u>	<u>934</u>	PSI Initial Opening <u>30</u>	Test <u>X</u>
(Q) Final Hydrostatic Mud	<u>2053</u>	<u>2022</u>	PSI Initial Shut-in <u>3045</u>	Jars <u> </u>
			Final Flow <u>30</u>	Safety Joint <u>X</u>
			Final Shut-in <u>30</u>	Straddle <u> </u>
				Circ. Sub <u>X n/c</u>
				Sampler <u> </u>
				Extra Packer <u> </u>
				Elec. Rec. <u>X</u>
				Mileage <u> </u>
				Other <u> </u>
				TOTAL PRICE \$ <u> </u>

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By

Tim Pinner

Our Representative

John M. B. 3rd